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To the Hon. Commissioner of Patents & Trademarks

original documents or copy thereof.

1. Name of conveying party(ies):

Masayuki SHINOHARA

7-1301

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

[x] Assignment [] Merger

[] Change of Name [] Other

[] Security Agreement

Execution Date: March 26, 2001

2. Name and address of receiving party(ies):

Name:

NEC Corporation

Street Address:

7-1, Shiba 5-chome

Minato-ku

Tokyo, Japan

4. Application number(s) or patent (numbers):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).

09/820,351

B. Patent No(s).

Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Customer No. 000466
YOUNG & THOMPSON
Second Floor
745 South 23rd Street
Arlington, VA 22202

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41).....\$ 40

[] Enclosed

[X] Authorized to be charged to
deposit account

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Margot Ruff

Name of Person Signing

Signature

July 13, 2001

Date

Total number of pages including cover sheet: [4]

07/19/2001 AWVED1 00000183 250120 09820351
01 FC:581 40.00 CH

2/10/01
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ASSIGNMENT

WHEREAS, I (we), Masayuki Shinohara
hereinafter referred to as "applicant(s)", has(have) invented certain new and
useful improvement in

ARBITER CIRCUIT AND METHOD OF CARRYING OUT ARBITRATION

for which

[] I(we) am(are) about to make application for Letters Patent of the United
States of America,

[] an application for a United States patent was filed on

Application No. 09/820,351 ,and March 29, 2001

WHEREAS, NEC Corporation, of 7-1, Shiba 5-chome, Minato-ku, Tokyo,
Japan, hereinafter referred to as "assignee", is desirous of acquiring the entire
right, title and interest in and to the same;

NOW, THEREFORE, in consideration of the sum of Ten Dollars
(\$10.00), the receipt whereof is acknowledged, and other good and valuable
consideration, applicants, by these presents, do hereby sell, assign and transfer
unto said assignee the full and exclusive right to the said invention in the United
States and the entire right, title and interest in and to any and all patents which
may be granted therefor in the United States, for its sole use and behoof, and for
the use and behoof of its legal representatives, to the full end of the term of which
said patents may be granted, as fully and entirely as the same would have been
held by applicants had this assignment and sale not been made.

Applicant(s) hereby authorizes and requests the Commissioner of
Patent and Trademarks to issue and said United States patens to said assignee.

Date: March 26, 2001

Masayuki Shinohara
Masayuki Shinohara



Date: _____

Date: _____

Witness:

[Signature]
[Signature]